



AF/37383

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Serial No.: 09/186,810

Filed : November 5, 1998

Group Art Unit: 3738

For : PROSTHESIS WITH ASSOCIATED  
GROWTH FACTORS

Examiner: P. Prebilic

Docket No.: S16.12-0052

## AMENDMENT AFTER FINAL

**Box AF**Assistant Commissioner for Patents  
Washington, D.C. 20231I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

16 DAY OF January 2001

Usah Gospitz

PATENT AGENT

Sir:

In response to the Office Action mailed on November 23, 2000, please enter the following amendments and consider the following remarks.

RECEIVED  
JAN 23 2001  
C 37  
MAIL ROOMIN THE CLAIMS

Please amend claim 1 and 3 as follows:

- Do Not Enter  
PFB  
Sub  
1-25-01 C /
1. (Thrice Amended) A prosthesis comprising a substrate and a polypeptide growth factor associated with the substrate by covalent bonding using crosslinking agents, [or noncovalent bonding characteristic of] antibody-antigen associations, specific binding protein-receptor associations [and] or enzyme-substrate associations, wherein the crosslinking agents comprise at least two aldehyde functional groups that are transformed into other functional groups linking the crosslinking agent with the polypeptide growth factor and the substrate, the polypeptide growth factor being effective to stimulate association of viable cells with the substrate.